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<b>TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A SUBMISSION UNDER 35 U.S.C. 371</b>		ATTORNEY'S DOCKET NUMBER EH-0140 US
INTERNATIONAL APPLICATION NO. PCT/US2004/029236		U.S. APPLICATION NO. (if known, see 37 CFR 1.5) Unknown <b>10/5/1406</b>
INTERNATIONAL FILING DATE September 9, 2004		PRIORITY DATE CLAIMED September 11, 2003
TITLE OF INVENTION Layered Manufactured Articles Having Small-Width Fluid Conduction Vents and Methods of Making Same		
APPLICANT(S) FOR DO/EO/US Michael L. Ryerson, James Hetzner, Judith L. Fisher, Daniel J. Maas, Donald R. Nelson, and Lawrence J. Voss		
Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:		
<p>1. <input checked="" type="checkbox"/> This is a <b>FIRST</b> submission of items concerning a submission under 35 U.S.C. 371.</p> <p>2. <input type="checkbox"/> This is a <b>SECOND</b> or <b>SUBSEQUENT</b> submission of items concerning a submission under 35 U.S.C. 371.</p> <p>3. <input type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371 (f)). The submission must include items (5), (6), (9) and (21) indicated below.</p> <p>4. <input checked="" type="checkbox"/> The US has been elected (Article 31).</p> <p>5. <input type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371 (c)(2))</p> <p style="margin-left: 20px;">a. <input type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau).</p> <p style="margin-left: 20px;">b. <input type="checkbox"/> has been communicated by the International Bureau.</p> <p style="margin-left: 20px;">c. <input checked="" type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US).</p> <p>6. <input type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371 (c)(2)).</p> <p style="margin-left: 20px;">a. <input type="checkbox"/> is attached hereto.</p> <p style="margin-left: 20px;">b. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4).</p> <p>7. <input type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371 (c)(3))</p> <p style="margin-left: 20px;">a. <input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau).</p> <p style="margin-left: 20px;">b. <input type="checkbox"/> have been communicated by the International Bureau.</p> <p style="margin-left: 20px;">c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired.</p> <p style="margin-left: 20px;">d. <input checked="" type="checkbox"/> have not been made and will not be made.</p> <p>8. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371 (c)(3)).</p> <p>9. <input type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371 (c)(4)).</p> <p>10. <input type="checkbox"/> An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371 (c)(5)).</p> <p><b>Items 11 to 20 below concern document(s) or information included:</b></p> <p>11. <input type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98.</p> <p>12. <input type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.</p> <p>13. <input checked="" type="checkbox"/> A preliminary amendment.</p> <p>14. <input type="checkbox"/> An Application Data Sheet under 37 CFR 1.76.</p> <p>15. <input type="checkbox"/> A substitute specification.</p> <p>16. <input type="checkbox"/> A power of attorney and/or change of address letter.</p> <p>17. <input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821- 1.825.</p> <p>18. <input type="checkbox"/> A second copy of the published International Application under 35 U.S.C. 154(d)(4).</p> <p>19. <input type="checkbox"/> A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).</p>		

This collection of information is required by 37 CFR 1.414 and 1.491-1.492. The information is required to obtain or retain a benefit by the public, which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 15 minutes to complete, including gathering information, preparing, and submitting the completed form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount

of time you require to complete this form and/or suggestions for reducing this burden should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop PCT,

1AP20R0C4PCT/PTO 09 MAR 2006

PTO-1390 (Rev. 07-2005)

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U.S. APPLICATION NO. (if known, see 37 CFR 1.5)		INTERNATIONAL APPLICATION NO.		ATTORNEY'S DOCKET NUMBER	
Unknown 10/571406		PCT/US2004/029236		EH-0140 US	
20. Other items or information					
The following fees have been submitted				CALCULATIONS PTO USE ONLY	
21.	X	Basic national fee (37 CFR 1.492(a))		\$ 300	
22	X	Examination fee (37 CFR 1.492(c))		\$ 200	
If the written opinion prepared by ISA/US or the international preliminary examination report prepared By IPEA/US indicates all claims satisfy provisions of PCT Article 33(I)-				\$ 0	
All other situations				\$ 200	
23.	X	Search fee (37 CFR 1.492(b))		\$ 400	
If the written opinion of the ISA/US or the International preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(I)-(4)				\$ 0	
Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the USPTO as an International Searching Authority				\$ 100	
International Search Report prepared by an ISA other than the US and provided to the Office or previously communicated to the US by the IB				\$ 400	
All other situations				\$ 500	
TOTAL OF 21, 22 and 23 =				\$ 900	
<input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing in compliance with 37 CFR 1.821 ) (c) or (e) or computer program listing in electronic medium) (37 CFR 1.4920)). The fee is \$250 for each additional 50 sheets of paper or fraction thereof.					
Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof (round up to a whole number)		RATE	
- 100 =	/50			x \$250	\$ 0
Surcharge of \$130.00 for furnishing any of the search fee, examination fee, or the oath or declaration after the date of commencement of the national stage (37 CFR 1.492(h)).				\$ 0	
CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE	\$	
Total claims	23 -20=	3	x \$50	\$ 150	
Independent claims	2 -3=	0	x \$200	\$ 0	
MULTIPLE DEPENDENT CLAIM(S) (if applicable) 0			+ \$360	\$ 0	
TOTAL OF ABOVE CALCULATIONS =				\$ 1050	
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. Fees above are reduced by 1/2.					
SUBTOTAL=				\$ 1050	
				+	\$
TOTAL NATIONAL FEE=				\$ 1050	
				+	\$
TOTAL FEES ENCLOSED -				\$1050	
				Amount to be refunded:	\$
				Amount to be charged	\$

10/571406

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IAP20 Rec'd PCT/PTO 09 MAR 2006

- a. ☐ A check in the amount of \$ \_\_\_\_\_ to cover the above fees is enclosed.
- b. ☐ Please charge my Deposit Account No. \_\_\_\_\_ in the amount of \$ \_\_\_\_\_ to cover the above fees.  
A duplicate copy of this sheet is \_\_\_\_\_
- c. ☐ The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to  
Account No. \_\_\_\_\_. A duplicate copy of this sheet is \_\_\_\_\_
- d. ☒ Fees are to be charged to a credit card. **WARNING:** Information on this form may become public. Credit card information should not  
be included on this form. Provide credit card information and authorization on PTO-2038.

NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed  
and granted to restore the International Application to pending status.

SEND ALL CORRESPONDENCE TO:

  
SIGNATURE

Thomas Lizzi, Esq.

NAME

35,252

REGISTRATION NUMBER

10/571406

AP20 REC'D PCT PTO 09 MAR 2006

**CERTIFICATE OF EXPRESS MAILING**

Applicants: Rynerson et al.

Serial No.: Unknown

Filing Date: March 9, 2006

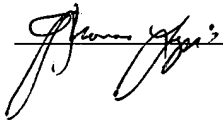
Invention: Layered Manufactured Articles Having Small-Width Fluid Conduction  
Vents and Methods of Making Same

I, Thomas Lizzi, Esq., hereby certify that the following piece of correspondence:

(1) Transmittal Letter for Submission under 35 USC § 371; (2) PTO-2038 payment form;  
(3) Preliminary Amendment; and (4) return postcard

is being deposited today with the United States Postal Service by Express Mail Post  
Office to Addressee, Label No. EU 853506325 US

in an envelope addressed to Mail Stop PCT, Commissioner for Patents, P.O. Box 1450,  
Alexandria, VA 22313-1450

  
\_\_\_\_\_

Date: \_\_\_\_\_ March 9, 2006 \_\_\_\_\_